

DECLARATION
AND POWER OF ATTORNEY
Original Application

ATTORNEY'S DOCKET NO. (IF ANY)

Inv. No. 13,340

As a below named inventor, I declare that the information given herein is true, that I believe that I am the original, first and sole inventor if only one name is listed at 201 below, or a joint inventor if plural inventors are named below at 201-203, of the invention entitled:

RADAR TARGET IDENTIFICATION APPARATUS

DEC 5 1979

which is described and claimed in:

☒ the attached specification or ☐ the specification in application Serial No. _____
(for declaration not accompanying application)

GROUP 220
LICENSING & REVIEW

that I do not know and do not believe that the same was ever known or used in the United States of America before my or our invention thereof patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application and that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America except as identified below, that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application.

FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS PRIOR TO THE FILING DATE OF THIS APPLICATION

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES ___ NO ___
			YES ___ NO ___

ALL FOREIGN APPLICATIONS, IF ANY, FILED MORE THAN 12 MONTHS PRIOR TO THE FILING DATE OF THIS APPLICATION

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Joseph E. Rusz, Reg. No. 17060, and

William Stepanishen, Reg. No. 25,810

SEND CORRESPONDENCE TO:

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Washington, D.C. 20324

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William Stepanishen
(617) 861-4072

201	FULL NAME OF INVENTOR	LAST NAME <u>RANKIN</u>	FIRST NAME <u>Peter</u>	MIDDLE NAME <u>M.</u>
	RESIDENCE & CITIZENSHIP	CITY <u>Syracuse</u>	STATE OR FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>United States</u>
	POST OFFICE ADDRESS	POST OFFICE ADDRESS <u>101 Edgemont Drive</u>	CITY <u>Syracuse</u>	STATE OR COUNTRY <u>New York</u>
202	FULL NAME OF INVENTOR	LAST NAME <u>ZENON</u>	FIRST NAME <u>Zenn</u>	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY <u>Syracuse</u>	STATE OR FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>United States</u>
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203	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 <u>Peter M. Rankin</u>	SIGNATURE OF INVENTOR 202 <u>William Stepanishen</u>	SIGNATURE OF INVENTOR 203
DATE November 9, 1979	DATE November 9, 1979	DATE

DEC 5 1979

GROUP 220

CLASSING & REV

IN THE UNITED STATES PATENT OFFICE

3
In re application of Peter M. Rankin et al
Inv. No. 13,340
Application Serial No. -
Filed: Herewith
For: RADAR TARGET IDENTIFICATION APPARATUS

GROUP
Examiner:

Honorable Commissioner of Patents and Trademarks

Washington, D.C. 20231

Sir:

PRIOR ART STATEMENT UNDER 37 C.F.R. § 1.97

The applicant(s) wish to make of record the following prior art (with statement(s) of relevancy) which is/are believed to be the most relevant known to applicant(s) and/or the assignee concerning the invention as claimed in the above-identified application:

Prior Art CitedStatement of Relevancy

(SEE ATTACHED SHEET FOR PRIOR ARTS)

Copies of the above-identified prior art are enclosed herewith with copies of English translations of pertinent portions of any non-English language reference, if such translation was readily available.

The above cited prior art is not necessarily a complete listing of all prior art known to the applicant and/or the assignee. The listing only indicates that prior art which, in the reasonable opinion of the applicant and/or assignee, is the most relevant to the claimed invention.

Respectfully submitted,

28 November 1979

Date

William Stepanishen
WILLIAM STEPANISHEN
Attorney for applicant(s)

attach 74

Invention Disclosure No. 13340

List of Prior Disclosure

Prior Art

SRC TP 75-225

Aircraft Identification by
Wideband Imaging (U)
September 1975
Secret Proposal

SRC TN 76-206

Quiet Identification Concept
(QIC) Simulation (U)
September 1976
Confidential

AD C012-078L (RADC TR 77-207)

Aircraft Identification by Wide-
band Radar Imaging (U)
June 1977
Secret Report

AD C014-390L (RADC TR 78-016)

Coherent Wideband Technology for
Aircraft Identification (U)
April 1978
Secret Report

AD C107-372L (RADC TR 79-012)

Coherent Wideband Imaging
Technology (U)
February 1979
Secret Report

Statement of Relevancy

Proposal to Rome Air Development Center
describing identification technique
and proposing to design and fabricate
model.

Computer Simulation results demonstrat-
ing the addition of identification
responses to real aircraft radar data.

Technical report detailing first bread-
board model of apparatus and describing
the results of the first two flight
tests. The results described here
demonstrated feasibility of the
technique in a field environment.

Technical report describing advanced
coding methods applicable to the
target identification system.

Technical report describing identifi-
cation systems operation and detailing
design of advanced identification
system model.